

# Exhibit 43

ADVANCED CARDIOVASCULAR SYSTEMS  
EXTRUSION DATA SHEET

START TIME: EXTRUSION #: 10-595-1 AMOUNT (FEET): 1000  
FINISH TIME: DATE: 6/8/94 SIGNATURE/DATE Jim 6-8-94

MATERIALS : MATERIAL DESC. LOT# : RM#  
-----  
PEEK

EXTRUDER 10 PROCESS PERSON T.T9MAS  
REQUESTOR S.S.  
PRODUCT 1315 SA#  
SET-UP PARAMETERS:

MANDREL LGTH (EXT ONLY) FLUSH EXPERIMENTAL Y  
DIE I.D. .199 OVAL N ROUND Y PRODUCTION N  
MANDREL O.D. .166 XHEAD Y STRAIGHT N  
SCREW TYPE PE-4770-3  
SCREEN TYPE 20 80 20  
START ID/OD .032/.038  
FINISH ID/OD .032/.038

PROCESS PARAMETERS

TEMPERATURE SETPOINTS				SPEEDS & SETPOINTS		PSI & AIR	
ZONE 1	565.0	MELT	<u>844</u> <del>0.0</del>	SCREW RPM	2.0	HEAD PSI	792.0
ZONE 2	650.0	DIE	1 32.0	PSI SET	1259.0	DIE PSI	1259.0
ZONE 3	715.0	DIE	2 0.0	EXTR. AMP	9.1	AIR PSI 1	0.2
CLAMP	715.0	DIE	3 715.0	PUL SPEED	.58	2	1.0
INLET	715.0	W/B TEMP	0.0	W/B DIST.	1 INCH	3	0.3
G/PUMP	0.0					4	0.3
PMP OUT	565.0						
XHEAD	0.0						
MATERIAL DRYING TMP. <u>300°F</u>				DEWPOINT <u>-54</u>		# OF HRS DRYING <u>36</u>	

ACTUAL PARAMETER COLLECTED EVERY 10 MINUTES

SETPOINT	ACTUAL 1	ACTUAL 2	ACTUAL 3	ACTUAL 4	ACTUAL 5
G/PUMP PSI	1270	1242			
PUMP AMP	0	0			
SCREW RPM	2	2			
EXTRUDER AMP	11	9			
PULLER SPEED					
BARREL 1	813	785			
BARREL 2	0	0			
BARREL 3	0	0			
HEAD PSI	1270	1242			
TUBING O.D.	0.0000	0.0000			
AVG.DIA.	0.0000	0.0000			
AVG.STD.DEV.	0.0000	0.0000			

ADVANCED CARDIOVASCULAR SYSTEMS  
EXTRUSION DATA SHEET

START TIME: EXTRUSION #: 10-597-1 AMOUNT (FEET): 1000  
FINISH TIME: DATE: 6/8/94 SIGNATURE/DATE Jim 6-8-94

MATERIALS : MATERIAL DESC. LOT# : RM#  
-----

PEEK

EXTRUDER 10 PROCESS PERSON T.T9MAS

REQUESTOR S.S.

PRODUCT 1315 SA#

SET-UP PARAMETERS:

MANDREL LGTH (EXT ONLY) FLUSH EXPERIMENTAL Y  
DIE I.D. .199 OVAL N ROUND Y PRODUCTION N  
MANDREL O.D. .166 XHEAD Y STRAIGHT N  
SCREW TYPE PE 4770-3  
SCREEN TYPE 20 80 20  
START ID/OD .032/.038  
FINISH ID/OD .032/.038

PROCESS PARAMETERS

TEMPERATURE SETPOINTS				SPEEDS & SETPOINTS		PSI & AIR	
ZONE 1	565.0	MELT	802	SCREW RPM	2.1	HEAD PSI	733.0
ZONE 2	680.0	DIE	1	PSI SET	1184.0	DIE PSI	1185.0
ZONE 3	675.0	DIE	2	EXTR. AMP	7.4	AIR PSI 1	0.2
CLAMP	675.0	DIE	3	PUL SPEED	.58	2	0.7
INLET	675.0	W/B TEMP	0.0	W/B DIST.	60 IN	3	0.3
G/PUMP	0.0					4	0.3
PMP OUT	565.0						
XHEAD	0.0						
MATERIAL DRYING TMP. <u>300°F</u>				DEWPOINT <u>-51</u>		# OF HRS DRYING <u>36</u>	

ACTUAL PARAMETER COLLECTED EVERY 10 MINUTES

SETPOINT	ACTUAL 1	ACTUAL 2	ACTUAL 3	ACTUAL 4	ACTUAL 5
G/PUMP PSI					
PUMP AMP					
SCREW RPM					
EXTRUDER AMP					
PULLER SPEED					
BARREL 1					
BARREL 2					
BARREL 3					
HEAD PSI					
TUBING O.D.					
AVG.DIA.					
AVG.STD.DEV.					

# R&D EXTRUSION REQUEST FORM

- NOT TO BE USED FOR CLINICAL RUNS -  
(See Pilot Production Control to Schedule Clinicals)

Date : 6/8/94

Requester : Steve Schaible Ext. # : 53948

Dept Name : Extrusion Dept. # : 1434

Product : Next .014 Product : Pack shaft Doc

Product # : 1315

Reference Document Previous Ext. # : (SA, MC, or)

% Material : MFG or ACS MFG ACS or MFG Lot #

100 Victrex PEEK 3816

Quantity : 1 Reel(s) with 1000 Feet each.

or Cut Places Cut. Pl. #

Refinement (use : MilRods {1000 ft. or less to each end for better})

Looking (in brown) : Die : .199 To be designed Y or N

Mandrel : .166 Y or N

Screw : PE 4770-3 Y or N

Dimensions (on to all that apply) : % Conc. :

Quality :

Special Instructions : Screw speed = 2.0 rpm

Air gap = 60"

Dye Temp = 715°F

Please Illustrate Tubing Dimensions Below  
(Circle Appropriate Letter and Fill in All that Apply)

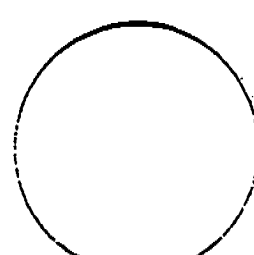
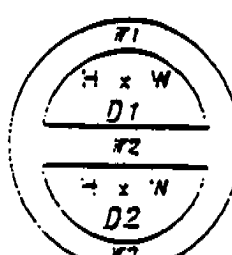
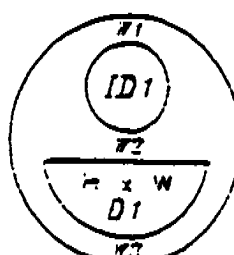
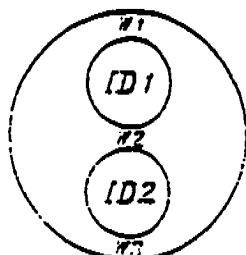
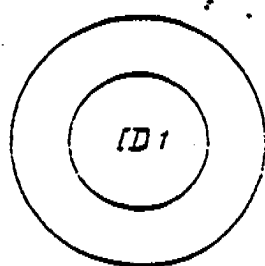
A

(B)

C

D

(E) (Other)



OD-X .038 +/- .001

OD-Y .038 +/- .001

ID1 .032 +/- .001

ID2  +/-

Height -/-

= D1

Width -/-

Height -/-

= D2

Width -/-

W1 -/-

W2 -/-

W3 -/-

ADVANCED CARDIOVASCULAR SYSTEMS  
EXTRUSION DATA SHEET

START TIME: EXTRUSION #: 10-596-1 AMOUNT (FEET): 1000  
FINISH TIME: DATE: 6/8/94 SIGNATURE/DATE: Jim C-S-94

MATERIALS : MATERIAL DESC. LOT# : RM#  
-----

PEEK

EXTRUDER 10 PROCESS PERSON T.T9MAS  
REQUESTOR S.S.  
PRODUCT 1315 SA#  
SET-UP PARAMETERS:

MANDREL LGTH (EXT ONLY) FLUSH EXPERIMENTAL Y  
DIE I.D. .199 OVAL N ROUND Y PRODUCTION N  
MANDREL O.D. .166 XHEAD Y STRAIGHT N  
SCREW TYPE PE H770-3  
SCREEN TYPE 20 80 20  
START ID/OD .032/.038  
FINISH ID/OD .032/.038

PROCESS PARAMETERS

TEMPERATURE SETPOINTS				SPEEDS & SETPOINTS		PSI & AIR	
ZONE 1	565.0	MELT	<u>844</u> <del>0.0</del>	SCREW RPM	2.0	HEAD PSI	752.0
ZONE 2	650.0	DIE	1 32.0	PSI SET	1219.0	DIE PSI	1210.0
ZONE 3	715.0	DIE	2 0.0	EXTR. AMP	9.4	AIR PSI 1	0.3
CLAMP	715.0	DIE	3 715.0	PUL SPEED	.58	2	0.7
INLET	715.0	W/B TEMP	0.0	W/B DIST.	60 IN	3	0.3
G/PUMP	0.0					4	0.3
PMP OUT	<del>565.0</del>						
XHEAD	0.0						
MATERIAL DRYING TMP. <u>300F</u>				DEWPOINT <u>-51</u>		# OF HRS DRYING <u>36</u>	

ACTUAL PARAMETER COLLECTED EVERY 10 MINUTES

SETPOINT	ACTUAL 1	ACTUAL 2	ACTUAL 3	ACTUAL 4	ACTUAL 5
G/PUMP PSI					
PUMP AMP					
SCREW RPM					
EXTRUDER AMP					
PULLER SPEED					
BARREL 1					
BARREL 2					
BARREL 3					
HEAD PSI					
TUBING O.D.					
AVG.DIA.					
AVG.STD.DEV.					

# R&D EXTRUSION REQUEST FORM

- NOT TO BE USED FOR CLINICAL RUNS -  
(See Final Production Control to Schedule Clinicals)

Date : 6/8/94

Requester : Steve Schaible Ext. # : 53948

Dept Name : Extrusion Dept. # : 1434

Project : Next .014 Product : Pack shaft DOE

Project # : 1315

Reference (Document Previous Ext. #) : (SA, MC, or)

% Material : MFO or ACS MM 1 ACS or MFO Lot #

100 Victrex PEEK 3216

Quantity : 1 Reel(s) with 1000 Feet each.

or Cut Pieces Cut. Pieces

Reduction (lose : MIRods {1000 ft - 30 ft rod to each end for handle}

Length (if known) : Die : .199 To be designed Y or N

Mandrel : .166 Y or N

Screw : PE 4770-3 Y or N

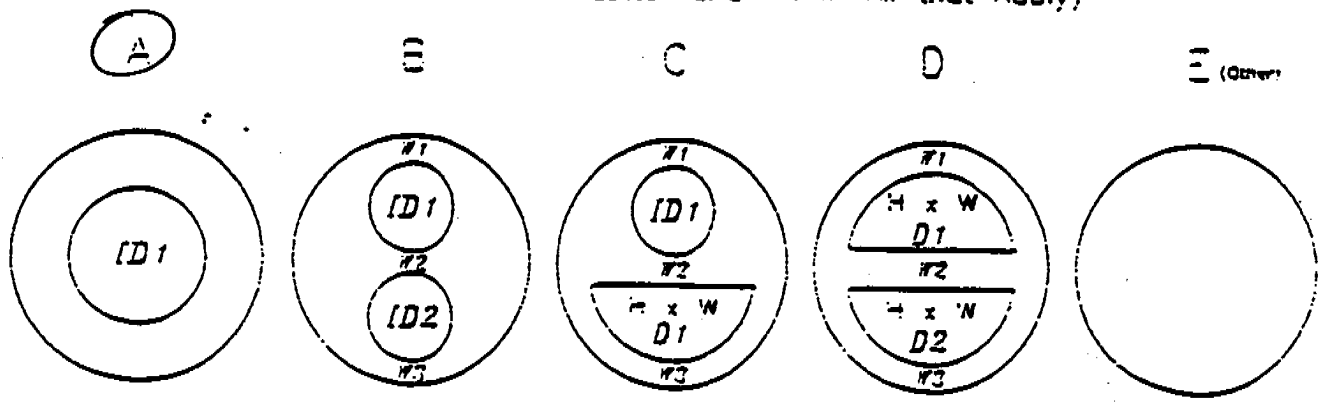
Dimensions (if not that apply) : % Conc. : 0  
Dvofily : 0

Special Instructions : Screw speed = 2.0 rpm

Air gap = 1.0"

Die Temp = 715°F

Please Illustrate Tubing Dimensions Below  
(Circle Appropriate Letter and Fill in All that Apply)



OD-X .038 +/- .001

OD-Y .038 +/- .001

ID1 .032 +/- .001

ID2 --- +/- ---

Height --- -/- ---

= D1 Width --- -/- ---

Height --- -/- ---

= D2 Width --- -/- ---

W1 --- -/- ---

W2 --- -/- ---

W3 --- -/- ---

# R&D EXTRUSION REQUEST FORM

- NOT TO BE USED FOR CLINICAL RUNS -  
(See Final Production Control to Schedule Clinicals)

Date : 6/8/94

Requester : Steve Schabbe Ext. # : 53948

Dept Name : Extrusion Dept. # : 1434

Project : Next .014 Product : Pex shaft DOE

Project # : 1315

Reference Document (SA, MC, or previous Ext. #) \_\_\_\_\_

% Material : \_\_\_\_\_ MRO or ACS RM / \_\_\_\_\_ ACS or MRO Lot /

100 Victrex PEEK 3816

Quantity : 1 Reel(s) with 1000 Feet each.

or \_\_\_\_\_ Cut Places \_\_\_\_\_ Cm. [Per .001"]

Reduction Inse : \_\_\_\_\_ Mils (1000 in = 1000 mils to each end for better)

Length (if known) : Lge : .094 To be designed Y or N

Mandrel : .072 Y or N

Screw : PE 4770-3 Y or N

Dimensions (see in all that apply) : % Conc. : \_\_\_\_\_

Ovality : \_\_\_\_\_

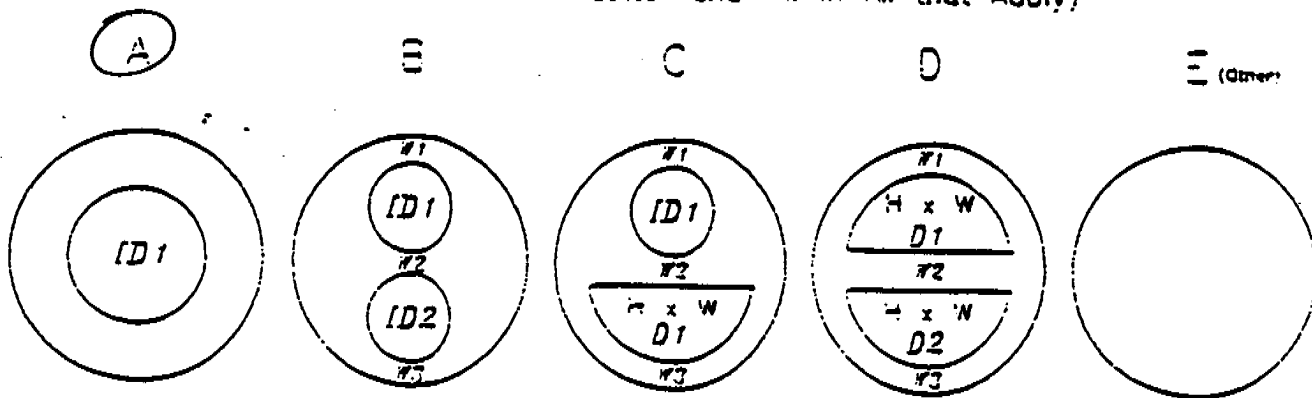
Special Instructions : Screw speed = 2.0 rpm

Air gap = 1.0"

Die Temp = 715°F

Please Illustrate Tubing Dimensions Below  
(Circle Appropriate Letter and Fill in All that Apply)

(Other)



OD-X .038 +/- .001

OD-Y .038 +/- .001

ID1 .032 +/- .001

ID2 \_\_\_\_\_

Height \_\_\_\_\_ -/-

= D1

Width \_\_\_\_\_ -/-

Height \_\_\_\_\_ -/-

= D2

Width \_\_\_\_\_ -/-

W1 \_\_\_\_\_ -/-

W2 \_\_\_\_\_ -/-

W3 \_\_\_\_\_ -/-

# R&D EXTRUSION REQUEST FORM

- NOT TO BE USED FOR CLINICAL RUNS -  
(See Prod Production Control to Schedule Clinicals)

Date : 6/8/94

Requester : Steve Schaub Ext. # : 53948

Dept Name : Extrusion Dept. # : 1434

Product : Next .014 Product : Box shaft DOE

Product # : 1315

Reference Document (SA, MC, or Previous Est. #) \_\_\_\_\_

Material : Victrex PEEK 3816 MRO or ACS Mtl 1 ACS or MRO Lot # \_\_\_\_\_

Quantity : 1 Reel(s) with 1000 Feet each.

or \_\_\_\_\_ Cut Pieces \_\_\_\_\_ Cm. [Per. 30"]

Production Use : \_\_\_\_\_ M/Ruds {1000 ft - M to guide to each end for leader}

Lead/ing (ft. shown) : Die : .199 To be designed Y or N

Mandrel : .166 Y or N

Screw : PE 4770-3 Y or N

Dimensions (Per to Prod Prod) : % Conc. : \_\_\_\_\_

Quality : \_\_\_\_\_

Special Instructions : Screw speed = 2.0 rpm

Ang 99° = 1.0°

Die Temp = 675°F

Please Illustrate Tubing Dimensions Below  
(Circle Appropriate Letter and Fill in All that Apply)

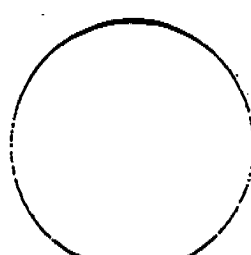
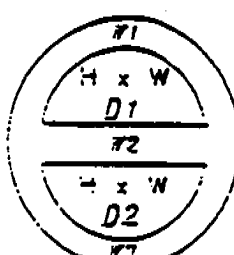
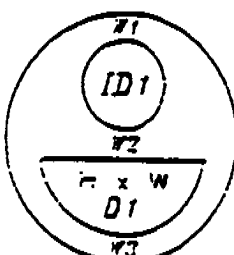
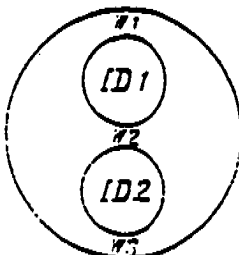
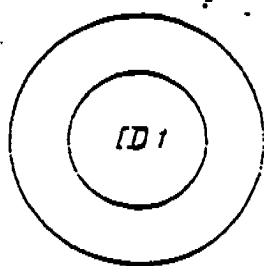
A

(B)

C

D

(E) (Other)



OD-X .038 +/- .001

OD-Y .038 +/- .001

ID1 .032 +/- .001

ID2 \_\_\_\_\_ +/- \_\_\_\_\_

Height \_\_\_\_\_ -/- \_\_\_\_\_

= D1

Width \_\_\_\_\_ -/- \_\_\_\_\_

Height \_\_\_\_\_ -/- \_\_\_\_\_

= D2

Width \_\_\_\_\_ -/- \_\_\_\_\_

W1 \_\_\_\_\_ -/- \_\_\_\_\_

W2 \_\_\_\_\_ -/- \_\_\_\_\_

W3 \_\_\_\_\_ -/- \_\_\_\_\_



# Advanced Cardiovascular Systems

**AS**

## R&D EXTRUSION REQUEST FORM

- NOT TO BE USED FOR CLINICAL RUNS -  
(See Final Production Control to Schedule Clinicals)

Date : 6/8/94

Requester : Steve Schaible Ext. # : 53948

Dept Name : Extrusion Dept. # : 1434

Product : Next .014 Product : Prox shaft DOE

Project # : 1315

Reference Document (SA, MC, or Previous Ext. #) \_\_\_\_\_

% Material : \_\_\_\_\_ MFG or ACS MFG \_\_\_\_\_ ACS or MFG Lot # \_\_\_\_\_

100 Victrex PEEK 3816

Quantity : 1 Reel(s) with 1000 Feet each.

or \_\_\_\_\_ Cut Pieces \_\_\_\_\_ Ctn. # (if applicable)

Production House : \_\_\_\_\_ Mfrs (1000 ft - 30 ft rolls to each end for header)

Length (ft. length) : \_\_\_\_\_ Dia : .094 To be designed

Material : .072 Y or N

Screw : PE 4770-3 Y or N

Dimensions (in to 3rd decimal) : \_\_\_\_\_ % Conc. : \_\_\_\_\_

Oilily : \_\_\_\_\_

Special Instructions : Screw speed = 2.0 rpm

Air gap = 60"

Die Temp = 715°F

Please Illustrate Tubing Dimensions Below  
(Circle Appropriate Letter and Fill in All that Apply)

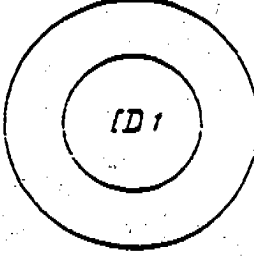
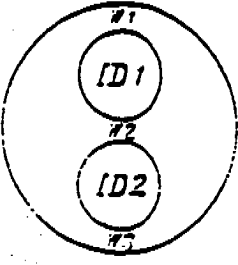
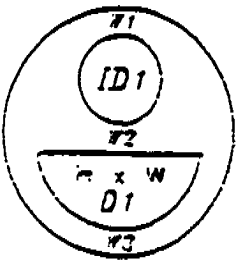
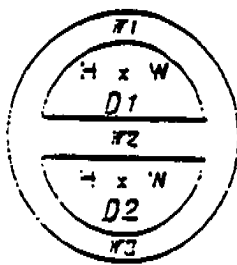
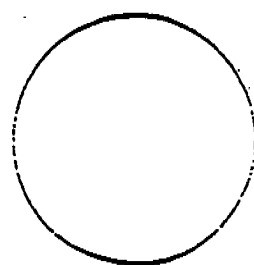
(Other)

D

C

(E)

A



W1 \_\_\_\_\_ -/-

W2 \_\_\_\_\_ -/-

W3 \_\_\_\_\_ -/-

Height \_\_\_\_\_ -/-

= D1

Width \_\_\_\_\_ -/-

Height \_\_\_\_\_ -/-

= D2

Width \_\_\_\_\_ -/-

OD-X .038 +/- .001

OD-Y .038 +/- .001

ID1 .032 +/- .001

ID2 \_\_\_\_\_ -/-

# Advanced Cardiovascular Systems

**AS**

## R&D EXTRUSION REQUEST FORM

- NOT TO BE USED FOR CLINICAL RUNS -  
(See Pilot Production Control to Schedule Clinicals)

Date : 6/8/94

Requester : Steve Schable Ext. # : 53948

Dept Name : Extrusion Dept. # : 1434

Product : Net .014 Product : Pack shaft DOE

Product # : 1315

Reference Document (SA, MG, or I) Previous Extr. #

Material : MFG or ACS MFG ACS or MFG lot #

100 Vicorex PEEK 3816

Quantity : 1 Reel(s) with 1000 Feet each.

or Cut Pieces Cnt. [1000 ft]

Insulation (use : MI rods (1000 ft - 20 ft added to each end for handle)

Tooling (if known) : Die : .199 To be designed Y or N

Mandrel : .166 Y or N

Screw : PE 4770-3 Y or N

Dimensions (see to all that apply) : % Conc. :           
Ovality :         

Special Instructions : Screw speed = 2.0 rpm

Air gap = 60"

Dye Temp = 675°F

Please Illustrate Tubing Dimensions Below  
(Circle Appropriate Letter and Fill in All that Apply)

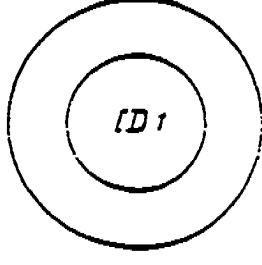
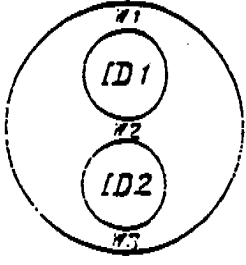
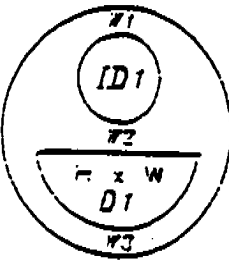
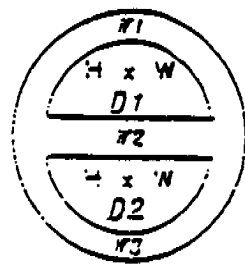
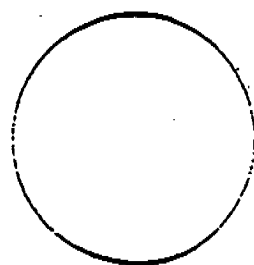
(Other)

D

C

(E)

A



#1 -/-

#2 -/-

CA -/-

Weight -/-

= D1

Wt. -/-

Weight -/-

= D2

Wt. -/-

OD-X .038 +/- .001

OD-Y .038 +/- .001

ID1 .032 +/- .001

ID2 -/-

ADVANCED CARDIOVASCULAR SYSTEMS  
EXTRUSION DATA SHEET

START TIME: EXTRUSION #: 10-596-1 AMOUNT (FEET): 1000  
FINISH TIME: DATE: 6/8/94 SIGNATURE/DATE Jim 6-8-94

MATERIALS : MATERIAL DESC. LOT# : RM#  
-----  
PEEK

EXTRUDER 10 PROCESS PERSON T.T9MAS  
REQUESTOR S.S.  
PRODUCT 1315 SA#  
SET-UP PARAMETERS:

MANDREL LGTH (EXT ONLY) FLUSH EXPERIMENTAL Y  
DIE I.D. .199 OVAL N ROUND Y PRODUCTION N  
MANDREL O.D. .166 XHEAD Y STRAIGHT N  
SCREW TYPE PE 4770-3  
SCREEN TYPE 20 80 20  
START ID/OD .032/.038  
FINISH ID/OD .032/.038

PROCESS PARAMETERS

TEMPERATURE SETPOINTS		SPEEDS & SETPOINTS		PSI & AIR			
ZONE 1	<u>560.0</u> MELT	<u>796</u> <del>0.0</del>	SCREW RPM	2.1	HEAD PSI	866.0	
ZONE 2	<u>650.0</u> DIE	1	32.0	PSI SET	1305.0	DIE PSI	1315.0
ZONE 3	675.0 DIE	2	0.0	EXTR. AMP	9.4	AIR PSI	1 0.2
CLAMP	675.0 DIE	3	675.0	PUL SPEED	.58		2 0.7
INLET	675.0 W/B TEMP	0.0	W/B DIST. I INCH				3 0.3
G/PUMP	0.0						4 0.3
<del>PMP OUT</del>	<del>565.0</del>						
XHEAD	0.0						
MATERIAL DRYING TMP. <u>300F</u>		DEWPOINT <u>-51</u>		# OF HRS DRYING <u>36</u>			

ACTUAL PARAMETER COLLECTED EVERY 10 MINUTES

SETPOINT	ACTUAL 1	ACTUAL 2	ACTUAL 3	ACTUAL 4	ACTUAL 5
G/PUMP PSI					1312
PUMP AMP					0
SCREW RPM					2
EXTRUDER AMP					9
PULLER SPEED					
BARREL 1					844
BARREL 2					0
BARREL 3					0
HEAD PSI					1312
TUBING O.D.					0.0000
AVG.DIA.					0.0000
AVG.STD.DEV.					0.0000

# Advanced Cardiovascular Systems

**AS**

## R&D EXTRUSION REQUEST FORM

- NOT TO BE USED FOR CLINICAL RUNS -  
(See Pilot Production Control to Schedule Clinicals)

Date : 6/8/94

Requester : Steve Schaible Ext. # : 53948  
Dept Name : Extrusion Dept. # : 1434  
Product : Next .014 Product : Prox shaft DOE  
Project # : 1315

Reference Document (SA, MC, or Previous Extr. #) \_\_\_\_\_

% Material : \_\_\_\_\_ Mfg or ACS Mfg \_\_\_\_\_ ACS or Mfg Lot # \_\_\_\_\_  
100 Victrex PEEK 3816

Quantity : 1 reel(s) with 1000 Feet each.

or \_\_\_\_\_ Cut Pieces \_\_\_\_\_ Ctn. # : \_\_\_\_\_

Reel/In Hose : \_\_\_\_\_ M/Rods (1000 ft - M/Rs added to each end for leader)

Leading (if known) : Die : .044 to be designed Y or N

Mandrel : .072 Y or N

Screw : PE 4770-3 Y or N

Dimensions (see to see that apply) :

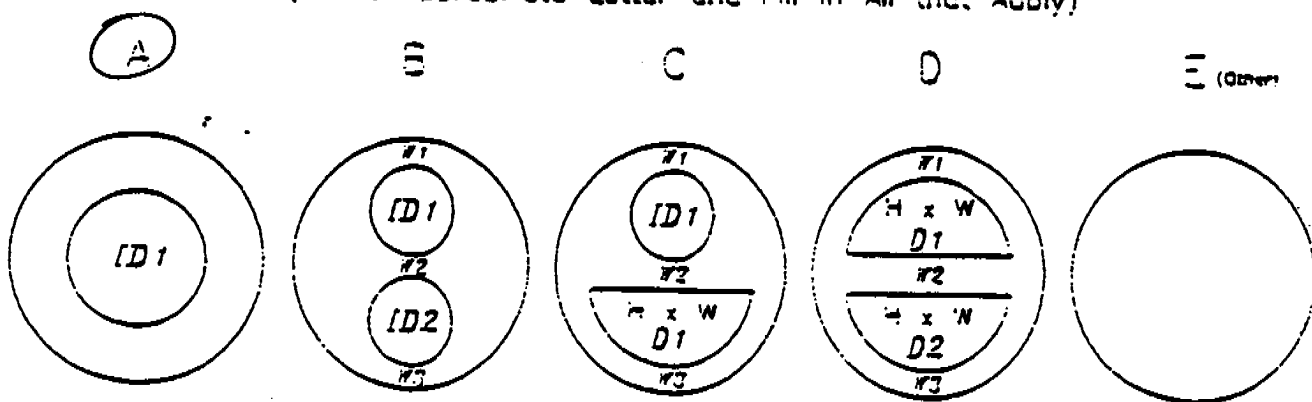
% Conc. : \_\_\_\_\_  
Ovality : \_\_\_\_\_

Special Instructions : Screw speed = 2.0 rpm

Anggap = 1.0"  
Die Temp = 675°F

Please Illustrate Tubing Dimensions Below  
(Circle Appropriate Letter and Fill in All that Apply)

(Other)



OD-X .038 +/- .001

Height \_\_\_\_\_ -/-

OD-Y .038 +/- .001

= D1  
Width \_\_\_\_\_ -/-

W1 \_\_\_\_\_ -/-

ID1 .032 +/- .001

Height \_\_\_\_\_ -/-

W2 \_\_\_\_\_ -/-

ID2 \_\_\_\_\_ -/-

= D2  
Width \_\_\_\_\_ -/-

W3 \_\_\_\_\_ -/-